

## CLAIMS

What is claimed is:

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*Sub A2*  
A key chain rechargeable device, comprising:  
key securing structure;  
an electronic device associated with said key securing  
structure; and

device;  
a rechargeable battery source to power said electronic

wherein said key chain rechargeable device is recharged  
from an external power source when a key associated with said securing  
structure is inserted in a lock device.

15 2. The key chain rechargeable device according to claim 1,  
wherein:

said key securing structure is a dummy key hole.

20 3. The key chain rechargeable device according to claim 1,  
further comprising:

a charging circuit in said electronic device, said charging  
circuit adapted for electrical contact with a key secured by said key  
securing structure.

25 4. The key chain rechargeable device according to claim 3,  
wherein:

said charging circuit is permanently associated with said key  
chain rechargeable device.

5. The key chain rechargeable device according to claim 3,  
wherein:

said charging circuit is permanently associated with said  
lock.

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6. The key chain rechargeable device according to claim 1,  
wherein:

said external power source is a vehicle's electrical system.

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7. The key chain rechargeable device according to claim 1,  
wherein:

said key chain rechargeable device is a wireless RF device.

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8. The key chain rechargeable device according to claim 1,  
wherein:

said key chain rechargeable device is a BLUETOOTH  
network device.

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9. The key chain rechargeable device according to claim 1,

wherein:

said key chain rechargeable device is a security alarm  
enable/disable device.

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10. The key chain rechargeable device according to claim

1, wherein:

said key chain rechargeable device is a keyless entry  
remote.

11. The key chain rechargeable device according to claim  
1, wherein:

said key chain rechargeable device is a penlight device.

5 12. The key chain rechargeable device according to claim  
1, wherein:

said key chain rechargeable device is a pager.

10 13. The key chain rechargeable device according to claim  
1, further comprising:

an inductive coil to receive charging power to charge said  
rechargeable battery source.

15 14. The key chain rechargeable device according to claim  
1, further comprising:

at least one electrical conductor on a key secured to said  
key securing structure.

20 15. The key chain rechargeable device according to claim  
1, wherein:

said key chain rechargeable device is recharged from said  
external power source only when said key associated with said securing  
structure is inserted in said lock device.

25 16. A vehicle ignition assembly, comprising:

a lock device;

a vehicle ignition switch connected to said lock device; and

30 at least two electrical charging connections associated with  
said lock device and adapted to provide opposite polarity contacts to a  
key inserted in said lock device.

17. The vehicle ignition assembly according to claim 16,  
further comprising:  
a battery charging circuit connected to said opposite polarity  
5 contacts.

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18. A vehicle ignition assembly, comprising:  
a lock device;  
a vehicle ignition switch connected to said lock device; and  
an inductive charging coil adapted to provide battery  
charging power to a key chain rechargeable device placed proximate to  
said vehicle ignition assembly.

19. A method of recharging a key chain electronic device,  
15 comprising:  
inserting a key on a key chain in a lock device; and  
coupling a rechargeable battery of a key chain electronic  
device to an external power source associated with said lock device only  
when said key is in said lock device.

20. The method of recharging a key chain electronic device  
according to claim 19, wherein:  
said coupling is inductive.

21. The method of recharging a key chain electronic device  
25 according to claim 19, wherein:  
said coupling is by direct electrical contact of opposite  
polarity conductors.

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22. Apparatus for recharging a key chain electronic device,  
comprising:

key chain means for securing a key while inserted in a lock  
device; and

means for coupling a rechargeable battery of a key chain  
electronic device to an external power source associated with said lock  
device only when said key is in said lock device.

10 23. The apparatus for recharging a key chain electronic  
device according to claim 22, wherein:

said means for coupling uses inductive coupling.

15 24. The apparatus for recharging a key chain electronic  
device according to claim 22, wherein:

said means for coupling uses direct electrical contact of  
opposite polarity conductors.